

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| S2    | 16   | (taper\$4 near2 coat\$4) and (polymer with capillary)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/02/02 11:45 |
| S3    | 11   | S2 not S1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/02/02 11:49 |
| S4    | 6349 | ((thick\$4 near3 (gradient or taper\$4 or slop\$4)) with coat\$4) or ((gradient or taper\$4 or slop\$4) near3 coat\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/02/02 11:51 |
| S6    | 8    | S5 not S1  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/02/02 11:52 |
| S5    | 10   | ((thick\$4 near3 (gradient or taper\$4 or slop\$4)) with coat\$4) and (capillar\$4 with (polyimide or polymer))        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/02/02 11:57 |
| S7    | 1029 | ((thick\$4 near3 (gradient or taper\$4 or slop\$4)) with coat\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/02/02 11:58 |
| S9    | 54   | S7 and capillar\$4 and (polymer or polyimide)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/02/02 12:03 |

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|     |       |   |  |    |    |                  |
|-----|-------|---|--|----|----|------------------|
| S8  | 24    | S7 and electrophore\$   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/02 12:03 |
| S10 | 2     | ("20020106513"   "6336966").PN. OR<br>("6946164").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2007/02/02 12:17 |
| S11 | 1261  | 204/601,603,451,452.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2007/02/06 12:04 |
| S12 | 111   | 401/5.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2007/02/06 12:15 |
| S13 | 509   | (S11 or S12) and ((coat\$4 or film) with<br>(capillar\$4 or tube))  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2007/02/06 12:16 |
| S14 | 10    | S13 and (((((non adj uniform) or<br>gradient or gradual) with thickness) or<br>taper\$4) with (coat\$4 or film or<br>layer\$4))   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2007/02/06 12:25 |
| S15 | 92    | (remove with ((coat\$4 or film) with<br>(capillar\$4 or tube))) and (((((non adj<br>uniform) or gradient or gradual) with<br>thickness) or taper\$4) with (coat\$4 or<br>film or layer\$4)) | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2007/02/06 12:26 |
| S16 | 7     | ("4902323"   "4940883"   "5762755"  <br>"5994232"   "6184119"   "6242165"  <br>"6413827").PN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2007/02/06 12:47 |
| S17 | 0     | ("6821446").URPN.   | USPAT  | OR | ON | 2007/02/06 12:49 |
| S18 | 27875 | ((capillary or tube) with (window))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/06 12:50 |
| S20 | 331   | S19 and (polymer or polyimide)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/06 12:51 |
| S19 | 458   | ((capillary) with (window)) with<br>detect\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/06 12:51 |

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|     |       |  |  |    |    |                  |
|-----|-------|--|--|----|----|------------------|
| S21 | 289   | S20 and coat\$4                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/06 12:52 |
| S22 | 6     | ("4940883").URPN.                            | USPAT  | OR | ON | 2007/02/06 13:06 |
| S24 | 97530 | "356"/\$.ccls.                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/06 15:37 |
| S23 | 32    | (ozone with heat with remov\$4 with coat\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/06 15:37 |
| S25 | 147   | S24 and (capillar\$4 near4 coat\$5)          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/06 15:38 |
| S26 | 3     | ("4902323" "4940883" "6242165").PN.          | USPAT  | OR | ON | 2007/02/07 08:34 |
| S27 | 1     | "6821446".pn.                                | USPAT  | OR | ON | 2007/02/07 09:20 |
| S28 | 55    | ((remove near5 coat\$4) near5 capillar\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/07 09:28 |
| S29 | 2     | "5582705".pn.                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/07 10:14 |
| S31 | 111   | S30 and capillar\$4                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/07 10:15 |

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|     |      |  |  |    |    |                  |
|-----|------|--|--|----|----|------------------|
| S30 | 582  | (Harada-Kunio or Kamahori-Masao or Kambara-Hideki or Yamaguchi-Sumio or Tsunekawa-Sukeyoshi).in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/07 10:15 |
| S34 | 264  | ((capillar\$4 near5 remov\$4) near3 coat\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/07 10:29 |
| S33 | 5    | Shimadzu-Corp and ((capillar\$4 near5 remov\$4) near3 coat\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/07 10:29 |
| S37 | 0    | S36 and Lougee   | USPAT  | OR | ON | 2007/02/07 13:12 |
| S36 | 1236 | 138/145,146.ccls.  | USPAT  | OR | ON | 2007/02/07 13:13 |
| S35 | 43   | tube with coat\$3 with thickness with taper\$4   | USPAT;<br>USOCR  | OR | ON | 2007/02/07 13:13 |
| S38 | 1    | capillar\$4 with coat\$3 with thickness with taper\$4  | USPAT;<br>USOCR  | OR | ON | 2007/02/07 13:14 |
| S41 | 1    | "5503708".pn.  | USPAT  | OR | ON | 2007/02/07 14:26 |
| S40 | 1    | "20050003211"  | US-PGPUB   | OR | ON | 2007/02/07 14:26 |
| S42 | 1    | "20040134783"  | US-PGPUB   | OR | ON | 2007/02/07 14:30 |
| S32 | 23   | S31 and ((detect\$4 adj window) or (coat\$4 with remov\$4) or (capillar\$4 with coat\$4))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/07 14:30 |
| S39 | 1    | "6560859".pn. and (coat\$4 or thick\$4 or taper\$4 or gradual\$3)  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2007/02/07 14:53 |
| S43 | 1    | "6560859".pn. and (plurality or voltage or power or supply or laser or light or detector or fluorescen\$2)   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2007/02/07 14:54 |
| S44 | 11   | ("5417925"   "5560811"   "5605666"   "5858194"   "6027627"   "6054032"   "6103083"   "6120667"   "6231739"   "6428670"   "6461492").PN. OR ("6560859").URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2007/02/07 15:45 |
| S45 | 21   | ((detection adj window) near3 (length or mm)) with capillar\$4)  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2007/02/07 15:46 |

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|     |   |   |  |    |    |                  |
|-----|---|---|--|----|----|------------------|
| S1  | 6 | ((taper\$4 near3 coat\$4) with polymer) and capillary       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/08 07:58 |
| S47 | 1 | "4675300".pn. and (((plurality or multi)))                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/08 08:00 |
| S46 | 0 | "4675300".pn. and (((plurality or multi) with capillar\$4)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/08 08:00 |